

LUM (#0524): Total of 62 orbits. $\lambda_o = 214.6^\circ$, $\lambda_g - \lambda_o = 284.6^\circ$, $\beta_g = 37.1^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 5^\circ$.

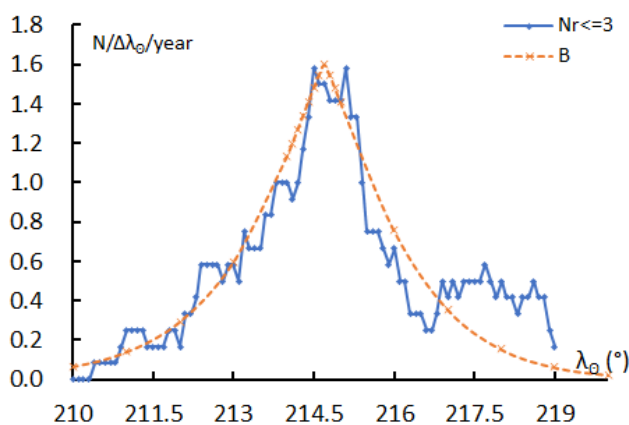
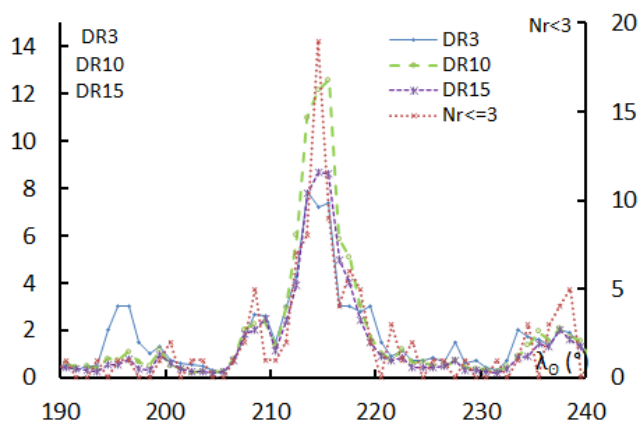
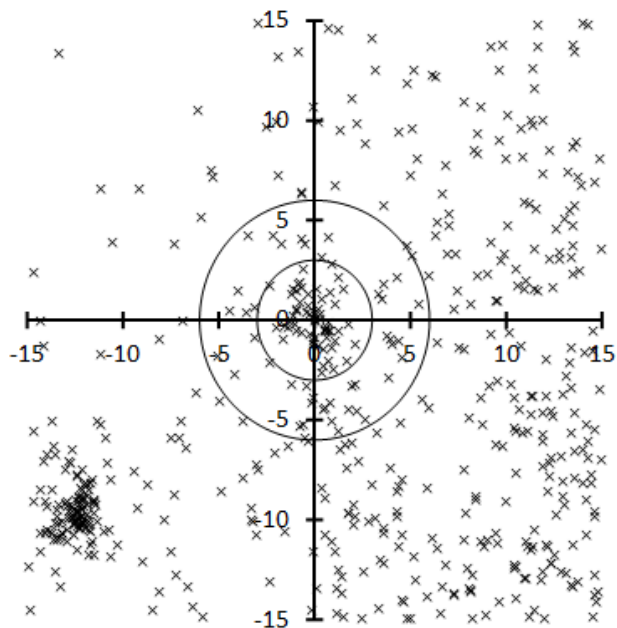


Table 1 – Number per year.

Year	N	Year	N
2007	3	2013	7
2008	8	2014	4
2009	6	2015	2
2010	1	2016	2
2011	13	2017	7
2012	7	2018	2

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	214.5	19.0
DR3	213.5	7.8
DR10	215.5	12.6
DR15	214.5	8.7

Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
205	284.1	37.1	146.9	53.0	61.1	1.007	0.924	115.3	148.7	205.0	39.5	28.0	-126
206	284.2	37.0	148.1	52.7	61.0	1.004	0.923	115.3	148.7	206.0	40.6	28.1	-250
207	284.2	37.0	149.3	52.3	61.0	1.000	0.923	115.3	148.6	207.0	41.6	28.1	-
208	284.2	37.0	150.5	52.0	61.0	0.996	0.922	115.2	148.5	208.0	42.7	28.2	263
209	284.2	37.0	151.6	51.6	61.0	0.993	0.922	115.2	148.4	209.0	43.7	28.3	130
210	284.2	37.0	152.8	51.2	60.9	0.989	0.921	115.2	148.3	210.0	44.8	28.4	86.43
211	284.2	36.9	153.9	50.9	60.9	0.986	0.920	115.2	148.2	211.0	45.8	28.5	64.79
212	284.2	36.9	155.0	50.5	60.9	0.982	0.920	115.2	148.1	212.0	46.9	28.6	51.85
213	284.2	36.9	156.1	50.1	60.8	0.979	0.919	115.2	148.0	213.0	47.9	28.6	43.24
214	284.2	36.9	157.2	49.7	60.8	0.975	0.919	115.2	147.9	214.0	49.0	28.7	37.10
214.1	284.2	36.9	157.3	49.7	60.8	0.975	0.919	115.2	147.9	214.1	49.1	28.7	36.58
214.2	284.2	36.9	157.4	49.6	60.8	0.975	0.919	115.2	147.9	214.2	49.2	28.7	36.08
214.3	284.2	36.9	157.5	49.6	60.8	0.974	0.919	115.2	147.9	214.3	49.3	28.8	35.59
214.4	284.2	36.9	157.6	49.6	60.8	0.974	0.919	115.2	147.9	214.4	49.4	28.8	35.11
214.5	284.2	36.9	157.7	49.5	60.8	0.973	0.918	115.2	147.9	214.5	49.5	28.8	34.64
214.6	284.2	36.9	157.8	49.5	60.8	0.973	0.918	115.2	147.8	214.6	49.6	28.8	34.19
214.7	284.2	36.9	158.0	49.4	60.8	0.973	0.918	115.2	147.8	214.7	49.7	28.8	33.75
214.8	284.2	36.9	158.1	49.4	60.8	0.972	0.918	115.2	147.8	214.8	49.8	28.8	33.32
214.9	284.2	36.9	158.2	49.4	60.8	0.972	0.918	115.2	147.8	214.9	49.9	28.8	32.91
215	284.2	36.9	158.3	49.3	60.8	0.972	0.918	115.2	147.8	215.0	50.0	28.8	32.50
216	284.2	36.8	159.4	48.9	60.8	0.968	0.918	115.2	147.7	216.0	51.1	28.9	28.92

Table 3 – Continued, evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
217	284.2	36.8	160.4	48.6	60.7	0.965	0.917	115.2	147.6	217.0	52.1	29.0	26.07
218	284.2	36.8	161.5	48.2	60.7	0.961	0.917	115.2	147.5	218.0	53.2	29.1	23.73
219	284.2	36.8	162.5	47.8	60.7	0.958	0.916	115.2	147.4	219.0	54.2	29.2	21.79
220	284.2	36.8	163.6	47.4	60.7	0.955	0.915	115.2	147.3	220.0	55.3	29.3	20.14
221	284.2	36.8	164.6	47.0	60.6	0.951	0.915	115.2	147.2	221.0	56.3	29.3	18.73
222	284.2	36.7	165.6	46.6	60.6	0.948	0.914	115.2	147.1	222.0	57.4	29.4	17.51
223	284.2	36.7	166.6	46.2	60.6	0.944	0.914	115.2	147.0	223.0	58.4	29.5	16.44
224	284.2	36.7	167.6	45.8	60.5	0.941	0.913	115.2	146.9	224.0	59.5	29.6	15.50
225	284.2	36.7	168.6	45.3	60.5	0.938	0.913	115.2	146.8	225.0	60.6	29.7	14.67